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IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant : Walter Callen et al. Art Unit : 1652
Serial No. : 09/656,309 Examiner : Richard Hutson, Ph.D.
Filed : September 6, 2000
Title : ENZYMES HAVING HIGH TEMPERATURE POLYMERASE ACTIVITY AND
METHODS OF USE THEREOF

Commissioner for Patents
Washington, D.C. 20231

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M.J.
2/6/03

RESPONSE AND AMENDMENT

Responsive to the non-final Office Action mailed October 22, 2002 (hereinafter "Office Action"), Applicants respectfully request entry of the amendments and consideration of the remarks set forth herein. A response to the Office Action is initially due January 22, 2003. Accordingly, this Response is timely filed.

The following documents are also enclosed herewith:

- Transmittal letter; and
- Facsimile coversheet.

CERTIFICATE OF TRANSMISSION BY FACSIMILE

I hereby certify that this correspondence is being transmitted by facsimile to the Patent and Trademark Office on the date indicated below.

Date of Transmission

January 22, 2003

Signature



Typed or Printed Name of Person Signing Certificate
Mi K. Kim